

FISCAL YEAR 2002 FUNDING PROPOSAL

for the

CLEANUP AND REDEVELOPMENT FUND

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Michigan Department of Environmental Quality
Environmental Response Division
Storage Tank Division

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FISCAL YEAR 2002 CLEANUP AND REDEVELOPMENT APPROPRIATION FUNDING PROPOSAL SUMMARY

The Department of Environmental Quality (DEQ) receives funding from the Cleanup and Redevelopment Fund (CRF) and state general funds to implement its cleanup and redevelopment programs. This document outlines the DEQ's proposed Fiscal Year 2002 (FY02) cleanup programs. It includes:

- The DEQ's request for FY02 funds from the CRF. The funds are to be used by the Storage Tank Division's (STD) Leaking Underground Storage Tank Cleanup Program for cleanup and redevelopment projects and for emergency cleanup actions. The Environmental Response Division (ERD) will also use the funds for its cleanup and redevelopment program and emergency cleanup actions.
- The DEQ's list of proposed FY02 cleanup sites that will be funded with CRF and state general funds.

FY02 Funding Sources

The CRF is created under Section 8 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). Money from the fund may be used for required match of federal dollars expended at a Superfund site, emergency response actions at sites, health or environmental problems, National Priorities List, municipal landfill cost-share grants, and response activities at sites that will facilitate redevelopment.

FY02 Funding Request

Under Section 13(3) of Part 201 of the NREPA, the DEQ must seek an annual appropriation from the CRF. As part of this request, the DEQ must submit a list of the cleanup project sites where it is proposing to expend funds along with the following information for each site: name, response activities planned, and estimated cost of these activities. The request may include a lump-sum amount for emergency cleanup actions.

For FY02, the DEQ is seeking an appropriation of \$8,200,000 from the CRF for cleanup programs in the ERD and the STD as shown below:

Division	Program	CRF
ERD	Environmental Cleanup and Redevelopment	\$3,234,000
STD	Leaking Underground Storage Tank Cleanup	\$966,000
ERD	Emergency Cleanup Actions and Contingencies	\$2,000,000
STD	Emergency Cleanup Actions and Contingencies	\$2,000,000
	Total	\$8,200,000

This document provides program information and lists of the proposed STD and ERD cleanup projects. The information is provided in two sections:

- Section I provides the STD program information and lists of sites/projects for the Leaking Underground Storage Tank Cleanup Program.
- Section II provides the ERD program information and lists of sites/projects for the Environmental Cleanup and Redevelopment Program.

SECTION I

STORAGE TANK DIVISION

LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUP PROGRAM

The STD is responsible for the protection of the public health, the environment, and the natural resources of the state from releases and fire safety hazards associated with underground and aboveground storage tanks through education, innovation, pollution prevention, remediation, and compliance activities. The STD performs activities associated with law and rule requirements for certain underground storage tanks (USTs) and aboveground storage tanks (ASTs). These requirements are under the Michigan Fire Prevention Code, 1941 PA 207, as amended, and the following sections of the NREPA: Part 211, Underground Storage Tank Regulations; Part 213, Leaking Underground Storage Tanks; and Part 215, Underground Storage Tank Financial Assurance (MUSTFA).

Services and products provided by the division are developed and delivered through a collaborative relationship with the regulated community, other state and federal agencies, and the general public in a timely, cost-effective, and consistent manner.

To carry out its proposed FY02 LUST Cleanup Program, the STD will use a combination of funding sources as indicated below:

Funding Source	Cleanup Projects	Emergency Cleanup Actions/Contingencies
FY02 Cleanup and Redevelopment Funds	\$966,000	\$2,000,000
FY02 General Funds	\$4,350,000	
TOTALS	\$5,316,000	\$2,000,000

The facilities proposed for state-funded corrective actions under the CRF were selected based on their acute health or environmental risks. Examples of such acute risks are fire and explosion hazards, actual or potential impacts to drinking water wells or sensitive environmental receptors (such as surface waters and wetlands), inhalation hazards, direct contact hazards, and releases of free product to groundwater. The sites being nominated for FY02 funding are the sites with the greatest acute risks and where the liable parties are non-viable.

A total of 20 cleanup projects are proposed for FY02 funding, including both general funds and CRF. A summary of the number of projects and estimated costs per county is provided in the table on the following page.

FY02 CLEANUP AND REDEVELOPMENT FUND PROJECTS BY COUNTY

County	Amount Proposed	Number of Sites	County	Amount Proposed	Number of Sites
Alpena	\$200,000	1	Kent	\$300,000	1
Berrien	\$300,000	1	Livingston	\$450,000	2
Calhoun	\$250,000	1	Marquette	\$350,000	1
Delta	\$300,000	1	Mecosta	\$500,000	2
Genesee	\$600,000	2	Montcalm	\$200,000	1
Iosco	\$150,000	1	Oakland	\$250,000	1
Jackson	\$350,000	1	Roscommon	\$300,000	1
Kalamazoo	\$266,000	1	Shiawassee	\$250,000	1
Kalkaska	\$300,000	1			
TOTAL – 20 Sites -- \$5,316,000					

The STD CRF projects proposed for FY02 are described in the table “STD FY02 Proposed Cleanup and Redevelopment Fund Projects” which begins on page 5. The projects are listed in county order and the following information is provided for each site:

- **Facility ID Number:** The identification number assigned to the facility.
- **Site Name, Address, City:** The name, street address, and city in which the site is located.
- **County:** County in which the site is located.
- **Reason Proposed:** A brief description of the acute human health or environmental risks associated with the site.
- **Proposed Actions:** A brief summary of the response actions proposed for the site.
- **Estimated FY02 Funds Required:** The amount of FY02 funding that STD estimates will be required to complete the proposed actions.

EMERGENCY CLEANUP ACTIONS AND CONTINGENCIES PROGRAM

The STD proposes to use \$2,000,000 in FY02 CRF for contingencies and emergency actions as identified by the division. Examples for use of these funds are:

- Abating imminent fire and explosion hazards.
- Abating imminent public health hazards.
- Mitigating the discharge of regulated substances to surface waters and other sensitive environmental receptors.
- Providing bottled water to residences with contaminated drinking water until there is a permanent resolution.
- Emergency drinking water treatment technology or well replacements.
- Monitoring of drinking water wells that are threatened by contamination from LUSTs.
- Assessment of suspect sites to evaluate acute risk.

STD FY02 PROPOSED CLEANUP AND REDEVELOPMENT FUND PROJECTS
(County Order)

Facility ID Number	Site Name, Address, City	County	Reason Proposed	Proposed Actions	Estimated FY02 Funds Required
0-009042	Woody's Grocery 4709 Long Rapids Rd. Alpena	Alpena	Grossly contaminated soils, small creek impacted, nearby lake threatened.	Remedial investigation and corrective actions.	\$200,000
0-015218	Coloma Citgo 105 Washington Coloma	Berrien	Free product and contaminant plume threatens municipal well.	Remedial investigation and corrective actions.	\$300,000
0-037129	City of Battle Creek 123-151 W. Michigan Ave. Battle Creek	Calhoun	Free product discharging to surface water.	Free product recovery, remedial investigation, and corrective actions.	\$250,000
0-002215	Grain N' Grape 6998 US-2, US-21 and M-35 Gladstone	Delta	Free product present. Soil exceeds Csat. Groundwater exceeds drinking water and Groundwater Surface Water Interface (GSI) criteria. Extent of contaminants undefined.	Free product recovery, remedial investigation, and corrective actions.	\$300,000
0-013341	City of Flint Fire Dept. 702 W. 12th St. Flint	Genesee	Free product is seeping out of the side of a bermed area near the former UST basin. Product being discharged to a storm drain that outlets to the Flint River.	Remedial investigation and corrective actions.	\$300,000
5-001992	Fisherman's Landing 3120 Ponemah Fenton	Genesee	Vacant lake front property with BTEX levels in soil and groundwater that exceed GSI and direct contact within five feet of the waters edge.	Remedial investigation and corrective actions.	\$300,000

Facility ID Number	Site Name, Address, City	County	Reason Proposed	Proposed Actions	Estimated FY02 Funds Required
0-034550	Barbier Oil Bulk Plant 807 Westover East Tawas	Iosco	Free product present. Soil exceeds Csat. Groundwater exceeds drinking water and GSI criteria. Extent of contaminants undefined.	Free product recovery, remedial investigation, and corrective actions.	\$150,000
0-033584	145 Truck Stop 6100 Ann Arbor Rd. Jackson	Jackson	Free product present and residential wells threatened.	Free product recovery, remedial investigation, and corrective actions.	\$350,000
0-017931	Moore's Milwood Service 5147 Portage St. Kalamazoo	Kalamazoo	Large amount of free product present.	Free product recovery, remedial investigation, and corrective actions.	\$266,000
0-004398	Saco & Sons 606 N. Cedar Kalkaska	Kalkaska	Free product present. Groundwater contamination off-site with residential wells of unknown depth in the path of the plume.	Free product recovery, remedial investigation, and corrective actions.	\$300,000
0-035820	Former Robinson Bulk Plant 13323 Northland Dr. Cedar Springs	Kent	Free product present. Discharge to surface water.	Free product recovery, remedial investigation, and corrective actions.	\$300,000
0-015390	Fred's Tire & Auto Service, Inc 203 W. Grand River Fowlerville	Livingston	Free product present. A reserve municipal well is located across the street and downgradient.	Assessment of acute risk and abatement as necessary.	\$225,000
0-018586	Bob Smith Ford, Inc. 103 Grand River Fowlerville	Livingston	Free product present. A reserve municipal well is located across the street and downgradient.	Assessment of acute risk and abatement as necessary.	\$225,000
0-015282	Greenwood Self Serve 106 W. US-41 Ishpeming	Marquette	Free product present within 1,000 feet from municipal well field. MTBE present up to 4400 parts per billion.	Free product recovery, remedial investigation, and corrective actions.	\$350,000

Facility ID Number	Site Name, Address, City	County	Reason Proposed	Proposed Actions	Estimated FY02 Funds Required
0-015196	Gingrich Amoco 102 S. Sheridan Remus	Mecosta	Five private water supplies are threatened by this release. Utility corridors have already been impacted others may be threatened. Indoor air quality is a concern at one residential dwelling.	Free product recovery, remedial investigation, and corrective actions.	\$250,000
0-002737	Morley General Store 301 S. Cass Morley	Mecosta	Seven USTs are located on this site. Groundwater impacts have been verified and private water supplies are in close proximity, one within ten feet of the UST system. A small lake is also located within close proximity to the site.	UST removal, free product recovery, remedial investigation, and corrective actions.	\$250,000
0-002736	Amble Oil Company 9542 Oak St. Howard City	Montcalm	Soil contamination exceeding Csat concentration are located on-site and groundwater delineation is not complete. Private water supplies are located downgradient of the release.	Free product recovery, remedial investigation, and corrective actions.	\$200,000
5-002322	Huron & Telegraph NE Corner of Intersection Pontiac	Oakland	Free product present. Utility corridors threatened.	Free product recovery, remedial investigation and corrective actions.	\$250,000

Facility ID Number	Site Name, Address, City	County	Reason Proposed	Proposed Actions	Estimated FY02 Funds Required
0-002524	Charlie's Place 5978 E. West Branch Rd. St. Helen	Roscommon	Soil and groundwater have been impacted above Tier 1 Risk Based Screening Levels. Free product recently discovered on-site. Plume is over 1,000 feet long and has migrated onto off-site property. No municipal water system, all private wells in area.	Free product recovery, remedial investigation, and corrective actions.	\$300,000
5-001265	Court Abandoned Property 104 W. Grand River Laingsburg	Shiawassee	Grossly contaminated soils and free product present. Fire and explosion hazard.	Removal of source soils. Free product recovery, remedial investigation, and corrective actions.	\$250,000
Total					\$5,316,000

SECTION II

ENVIRONMENTAL RESPONSE DIVISION

CLEANUP AND REDEVELOPMENT PROGRAM

The ERD is responsible for the implementation of the state environmental cleanup program under Part 201 of the NREPA. The CRF funds, established under Section 8 and implemented under Section 13 of Part 201 of the NREPA, provide for the identification, risk assessment, evaluation, and cleanup of sites of environmental contamination. State-funded cleanups, including emergency cleanup actions, are conducted in compliance with Part 201. This provides for state-funded cleanup activities at sites of environmental contamination where the liable party will not or cannot take the needed actions, cleanup of contaminated sites to promote redevelopment, and match of federal funds expended on cleanups at federal Superfund sites.

To carry out its proposed FY02 Cleanup and Redevelopment Program, the ERD will use a combination of funding sources as summarized below:

Funding Source	Cleanup Projects	Emergency Cleanup Actions/ Contingencies
FY02 Cleanup and Redevelopment Funds	\$3,234,000	\$2,000,000
FY02 General Funds	\$11,068,800	
TOTALS	\$14,302,800	\$2,000,000

Section 8 of Part 201 of the NREPA establishes the CRF and Section 13(5) of Part 201 of the NREPA directs that CRF expenditures first satisfy Superfund match requirements, emergency response needs, and actions to address acute health or environmental problems. If funds remain, 50 percent of the remainder is to be expended for response actions that facilitate the redevelopment of urbanized areas. The other 50 percent of the remainder is available to address non-acute health and environmental problems and to perform cleanups to facilitate redevelopment in non-urbanized areas.

A total of 39 FY02 ERD projects -- 11 of which are being proposed by the ERD for state funding for the first time -- are proposed in this document. The total estimated cost of the 39 projects is \$14,302,800 as follows:

- A total of 37 projects are proposed for FY02 funding. The estimated cost of the projects is \$13,302,800.
- Over the past ten years, the ERD installed several thousand monitoring wells at sites of environmental contamination. The state is responsible for properly abandoning these wells. Funding of \$500,000 is requested to properly abandon a portion of these monitoring wells to help prevent groundwater contamination or risk of public injury.
- The Drinking Water and Radiological Protection Division oversees periodic monitoring of drinking water throughout the state at sites of potential contamination to ensure compliance with public health criteria. Funding of \$500,000 is requested for sampling and analytical costs involved in monitoring drinking water wells.

A summary of the 37 ERD projects proposed for FY02 -- **by project type** -- is provided below.

PROJECT TYPE	Number of Projects	Total Estimated Project Costs
REDEVELOPMENT PROJECTS <i>Projects that are being proposed because the sites have redevelopment potential. All of these sites <u>also</u> have an acute public health and/or environmental problem.</i>	2	\$600,000
ACUTE HEALTH AND ENVIRONMENTAL PROJECTS <i>Projects that are being proposed because the sites have an acute public health and/or environmental problem.</i>	25	\$9,647,800
OPERATION AND MAINTENANCE PROJECTS <i>Sites other than those noted above, that have an ongoing operation and maintenance need.</i>	6	\$1,055,000
SUPERFUND MATCH PROJECTS <i>Projects where state funds are being sought to match federal Superfund dollars.</i>	4	\$2,000,000
TOTAL	37	\$13,302,800

A summary of the proposed FY02 ERD Cleanup and Redevelopment projects – **by county** -- is provided in the chart below.

**FY02 ERD CLEANUP PROJECTS – CRF
PROPOSED FUNDING BY COUNTY**

County	Amount Proposed	Number of Sites	County	Amount Proposed	Number of Sites
Alcona	\$250,000	1	Kent	\$60,000	1
Antrim	\$375,000	2	Lapeer	\$750,000	1
Barry	\$340,000	1	Lenawee	\$100,000	1
Berrien	\$250,000	1	Livingston	\$250,000	1
Calhoun	\$2,320,000	2	Mason	\$100,000	1
Cass	\$742,800	3	Midland	\$200,000	1
Clare	\$550,000	1	Montmorency	\$300,000	1
Dickinson	\$250,000	1	Muskegon	\$315,000	2
Gladwin	\$300,000	1	Ottawa	\$350,000	2
Gratiot	\$530,000	1	Saginaw	\$500,000	1
Hillsdale	\$860,000	2	Tuscola	\$750,000	1
Ionia	\$250,000	1	Washtenaw	\$350,000	2
Iosco	\$110,000	1	Wayne	\$400,000	2
Kalamazoo	\$1,500,000	1	Wexford	\$250,000	1
TOTAL – 37 Sites -- \$13,302,800					

The 39 ERD Cleanup and Redevelopment Projects proposed for FY02 funding are described in the following list: “Proposed FY02 ERD Cleanup and Redevelopment Fund Projects” which

begins on page 12. Within each section of the list, the projects are listed in county order and the following information is provided for each site:

- **Site ID** -- Number used to identify the site within the state of Michigan.
- **Site Name and Address** -- The name used most commonly for the site, street address, and city in which the site is located.
- **County** -- The county in which the site is located.
- **New Site** -- This column indicates if this is the first time the site has been proposed by the ERD for state funding.
- **Acute** -- This column indicates if the project (in part or in its entirety) is being proposed by the ERD to address an acute public health and/or environmental problem.
- **Redevelopment** -- This column indicates if the project has redevelopment potential.
- **FY02 CRF** -- This column provides the amount of FY02 funds that ERD estimates it will need to complete the project.
- **Actions Needed** -- Actions planned to be conducted to remediate environmental issues or prepare the site for redevelopment.

EMERGENCY CLEANUP ACTIONS AND CONTINGENCIES PROGRAM

The ERD proposes to use \$2,000,000 in FY02 CRF for contingencies and emergency actions identified by the division as the need arises. Examples for the use of these funds include:

- Disposal of barrels that are a threat to public health and the environment.
- Assessment of suspect sites to evaluate acute risk.
- Cleanup of truck, tanker, and railcar spills.
- Provide bottled or alternate water to residences at sites of environmental contamination where the groundwater is impacted.
- Abate an imminent threat to the public health caused by a release of a regulated substance to the environment.

PROPOSED FY02 ERD CLEANUP AND REDEVELOPMENT FUND PROJECTS
(County Order)

Site ID	Site Name and Address	County	New Site	Acute	Redevelopment	FY02 CRF	Actions Needed
010029	Lakeshore Terminal & Pipeline North U.S. 23 Harrisville	Alcona	Yes	X		\$ 250,000	Conduct investigation on abandoned 14-acre fuel facility that stored 12 million gallons of JP4 fuel for Wurtsmith AFB.
050005	Wickes Manufacturing Mancelona 310 Palmer Road Mancelona	Antrim		X		\$ 200,000	Investigate the extent of TCE contamination caused by plating operations.
050018	Vlg of Mancelona 120 West State Street Mancelona	Antrim		X		\$ 175,000	Construct SVE/sparge system to address PCE contamination at former dry cleaners. PCE in ground water is affecting a nearby village municipal well, which is currently in use.
080007	Kavco LF Doster Road Doster	Barry		X		\$ 340,000	An emergency interim methane extraction system has been constructed and is operating for a portion of the landfill. The system appears to be restricting methane migration towards residential areas. These funds will supplement previous allocations for installation of a permanent gas extraction system to be constructed.
110320	Aircraft Components, Inc. (D&L Sales) 671 North Shore Drive Benton Harbor	Berrien		X		\$ 250,000	State's match for Superfund remedial actions.
130006	Battle Creek Verona Area N Raymond Road, Emmet	Calhoun		X		\$ 1,320,000	Three years of operation and maintenance on groundwater

Site ID	Site Name and Address	County	New Site	Acute	Redevelopment	FY02 CRF	Actions Needed
	Street, and Grand Trunk Battle Creek						treatment plant.
130052	Res Wells Tekonsha 1015 and 1019 N Main Tekonsha	Calhoun		X		\$ 1,000,000	Three source areas have attributed to contamination due to releases of petroleum compounds, trichloroethane, and tetrachloroethene. Actions will include design, construction, and operation of appropriate remediation systems to abate the contamination in areas where liable parties are not performing the activities.
140002	Cass St Area Edwardsburg Cass Street Edwardsburg	Cass		X		\$ 110,000	One year of quarterly operation and maintenance of the existing groundwater extraction system that uses air stripping through a diffused bubble aeration system.
140095	Porter Baptist Church 12032 Teasdale Lake Road Constantine	Cass	Yes	X		\$ 120,000	Releases of heating oil from a UST threaten residential wells. A remediation system has been installed to address free product on the groundwater. Funds will be used to provide operation and maintenance of the system and conduct additional actions required to mitigate the threat to residential wells and the environment.
140027	Sunstrand 415 East Prairie Ronde Dowagiac	Cass	Yes	X		\$ 512,800	Manufacturing practices have caused soil and groundwater contamination from chromium and volatile organic compounds

Site ID	Site Name and Address	County	New Site	Acute	Redevelopment	FY02 CRF	Actions Needed
							(VOCs). Funds will be used to conduct an investigation to define the extent of contamination and to evaluate remediation alternatives.
180089	Trahan Petroleum Freeman and Redding Townships	Clare	Yes	X		\$ 550,000	Remove crude oil and brine contaminated soil and investigate surface water impacts.
220046	Gas Vapors--Easton Estates Kingsford and Breuting Townships	Dickinson		X		\$ 250,000	Wastewater containing dissolved organic material from wood pyrolysis processes has caused numerous hazardous substances in the groundwater above residential criteria. Also methane is present in the groundwater and soil in concentrations exceeding the Lower Explosive Limit. The groundwater plume covers about 2.5 square miles and discharges into the Menominee River. Funding will be used for oversight of remedial actions being conducted by liable parties.
260005	Gladwin Bulk Oil Plant State St State Street Gladwin	Gladwin		X		\$ 300,000	Three years of operation and maintenance on the soil vapor extraction with air sparge system.
290002	Alma Iron Metal Smith Property 7040 – 7150 South State Road Saint Louis	Gratiot		X		\$ 530,000	Landfill cap to be placed over waste material to mitigate direct contact and physical hazards. After capping is complete, the property may be used by a public school to expand an existing science and nature area.

Site ID	Site Name and Address	County	New Site	Acute	Redevelopment	FY02 CRF	Actions Needed
300076	Davis Oil Scipio Township	Hillsdale	Yes	X		\$ 60,000	Plug one abandoned oil well and remove crude oil contaminated soils.
300200	General Oil Albion-Scipio Field Scipio and Adams Townships	Hillsdale		X		\$ 800,000	Second phase of plugging leaking oil wells and cleanup crude oil contaminated soils.
340017	Whites Bridge Rd Area Whites Bridge Road Lowell	Ionia		X		\$ 250,000	Contaminated groundwater threatens local domestic wells and potential home sites. Soil removal in a source area was completed in 2000. Funding will be used to conduct soil remediation and install a groundwater treatment system. Results from current investigations/modeling of the plume progression will be used to determine the type of system to be installed.
350005	Res Wells Bachman Rd Bachman Road Oscoda	Iosco		X		\$ 110,000	Additional phase of University of Michigan/Michigan State University halorespiration and surfactant enhanced aquifer remediation research.
390052	Schoolcraft Area Organics Contam West Avenue – South 14 th Street Schoolcraft	Kalamazoo		X		\$ 1,500,000	Four plumes of groundwater contamination from carbon tetrachloride, hexavalent chromium, and VOCs are being addressed. Funding will be used to design and construct full-scale cleanup systems at the Countrymark and Action Garment Rental plumes and to continue the pilot study at the Biewer/Arco

Site ID	Site Name and Address	County	New Site	Acute	Redevelopment	FY02 CRF	Actions Needed
							plume.
410113	Former Autostyle Plastics, Inc 2330 Breton Industrial Drive Kentwood	Kent		X		\$ 60,000	Three years of operation and maintenance on the groundwater treatment system.
440171	Marathon Otter Lake Oil Field Marathon and Forest Townships	Lapeer		X		\$ 750,000	Remove hydrocarbon contaminated soil at 12 previously plugged oil well sites.
460021	Stauffer Chemical 9901 Sand Creek Highway Weston	Lenawee	Yes	X		\$ 100,000	Investigate GSI exceedances and creek impacts due to releases of vanadium, arsenic, boron, and VOCs.
470027	Shiawassee River M59 – State Road Howell	Livingston		X		\$ 250,000	Conduct river sampling and state's match for Superfund remedial actions.
530122	Conrad Road Dump Conrad Road Ludington	Mason	Yes	X		\$ 100,000	Industrial waste, including plating sludges, has been disposed in a marsh along the Pere Marquette River. Funds will be used to investigate the extent of contamination.
560019	Tittabawassee River Dow Dam to Saginaw River Midland	Midland		X		\$ 200,000	Sampling along Tittabawassee and Saginaw Rivers.
600004	Lowell St Hillman Twp Lowell Street Hillman	Montmorency		X		\$ 300,000	Four years of operation and maintenance on the soil vapor extraction/air-sparging system in operation to address soil and groundwater contamination.
610065	Cloverville Pump House/Hardware 3165 Heights – Ravenna Road	Muskegon		X		\$ 135,000	Three years of operation and maintenance for treatment system. The system consists of

Site ID	Site Name and Address	County	New Site	Acute	Redevelopment	FY02 CRF	Actions Needed
	Cloverville						groundwater purge wells and treatment by liquid phase carbon beds. Discharge of treated water is to a local surface stream.
610016	Duell Gardner Landfill 1285 East Bard Road Muskegon	Muskegon		X		\$ 180,000	Three years of operation and maintenance on groundwater treatment system.
700004	Fenske LF Ottawa Co 2637 Wilson Avenue Grandville	Ottawa		X	X	\$ 100,000	Landfill cell is open to weather. Leachate has accumulated and must be removed and treated and the cell capped. Current leachate treatment option being pursued is discharge into the local wastewater treatment plant. Funding will supplement previous allocations to address leachate problem.
700043	Ottawa Steel Products Area 745 Woodlawn Grand Haven	Ottawa		X		\$ 250,000	Vinyl chloride contamination due to cutting oils used in metal manufacturing extends for 12 blocks. Funds will be used to define the groundwater plume and conduct free product removal.
730406	L.A. Davidson 4000 – 4061 Arthur Street Saginaw	Saginaw		X	X	\$ 500,000	Conduct investigation to support enforcement actions against liable parties.
790035	Aaron Elek Oil Akron and Wisner Townships	Tuscola	Yes	X		\$ 750,000	First phase to plug wells and remove crude oil and brine contaminated soils.
810005	Armens Cleaners 630 South Ashley Ann Arbor	Washtenaw		X		\$ 250,000	Remove soil contaminated with perchloroethylene due to dry cleaning operations.
810497	Broadway Coin Laundry 1120 Broadway	Washtenaw	Yes	X		\$ 100,000	Assess extent and health risks associated with PCE release.

Site ID	Site Name and Address	County	New Site	Acute	Redevelopment	FY02 CRF	Actions Needed
	Ann Arbor						
820208	General Oil Co. 175 Railroad Street Northville	Wayne		X		\$ 150,000	Three years of operation and maintenance on free product recovery system and groundwater treatment system.
820048	Saterlee Sumpter Twp LF 40195 Judd Road Sumpter Township	Wayne		X		\$ 250,000	Conduct remedial action necessary to prevent further discharge of contaminants to an adjacent wetland. Actions will address GSI, sediment, and direct contact exceedances.
830102	Cadillac Area GW Contam – Rexair 230 Seventh Street Cadillac	Wexford	Yes	X		\$250,000	Conduct an investigation to determine the extent of contamination.
339999	Monitoring Wells/ERD	Various		X		\$ 500,000	Plug monitoring wells.
Various	Monitoring/DWRPD	Various	Yes	X		\$ 500,000	Conduct monitoring of drinking water wells.
Total						\$ 14,302,800	